Untitled1

March 6, 2020

```
[1]: %matplotlib inline
```

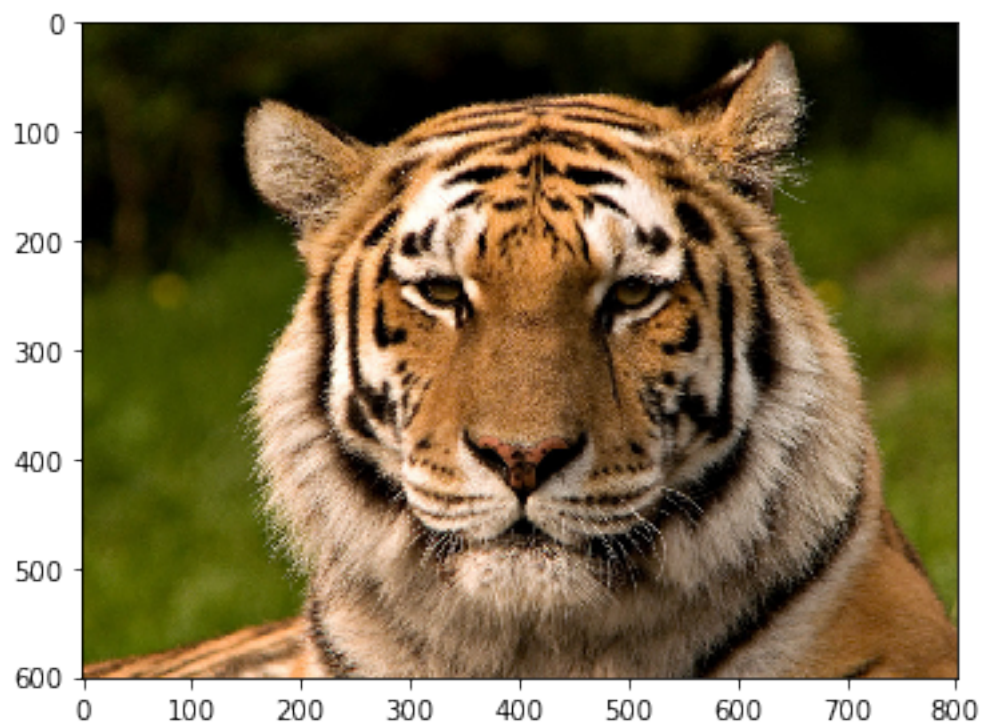```
[2]: from skimage.io import imread, imshow, imsave
```

```
[21]: img = imread('out_img.png')
```

```
[ ]:
```

```
[4]: imshow(img)
```

```
[4]: <matplotlib.image.AxesImage at 0x12566d30>
```



```
[5]: img[300, 400]
```

```
[5]:  array([182, 130,  73], dtype=uint8)
```

```
[23]:  img[300, 400] = [102, 204, 102]
```

```
[25]:  img[300, 400]
```
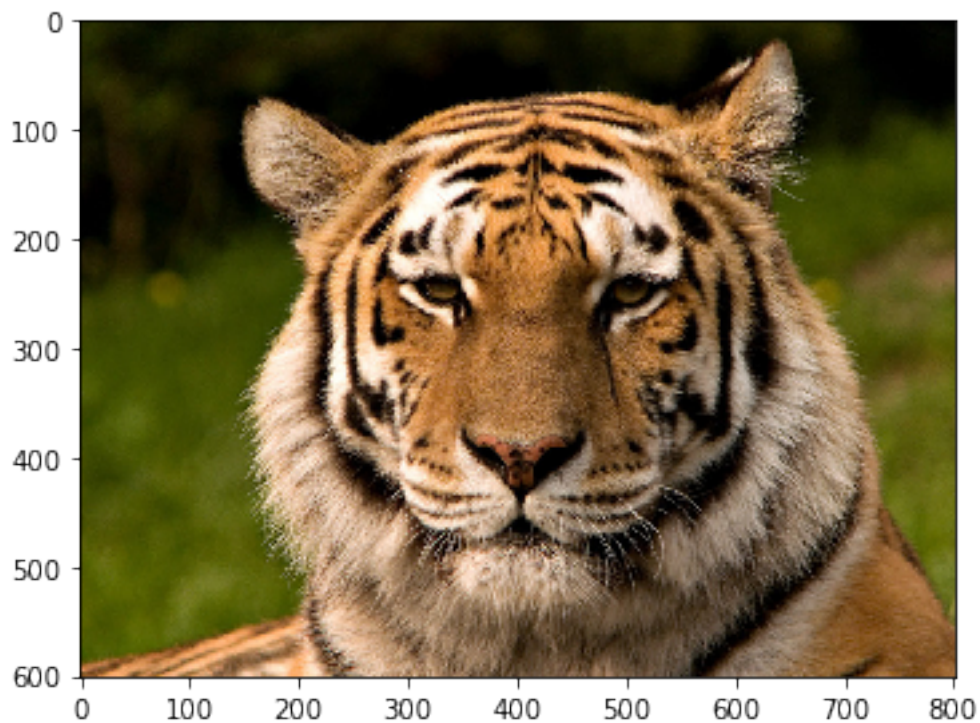
```
[25]:  array([102, 204, 102], dtype=uint8)
```

```
[8]:  imsave('out_img.png', img)
```

```
[11]:  img2 = imread('out_img.png')
```
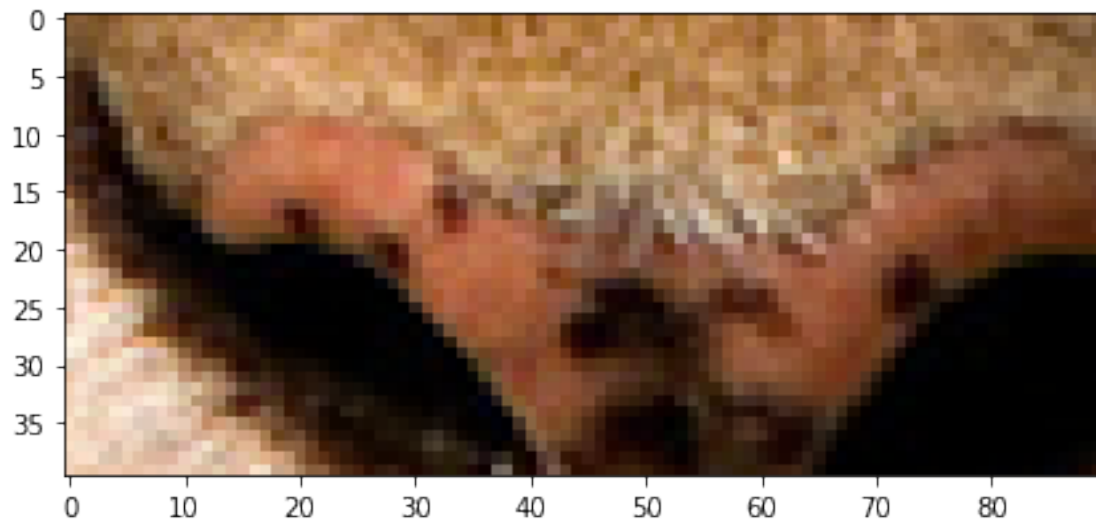
```
[12]:  imshow(img2)
```

```
[12]:  <matplotlib.image.AxesImage at 0x13e81e20>
```



```
[14]:  nose = img[370:410, 350:440]
```
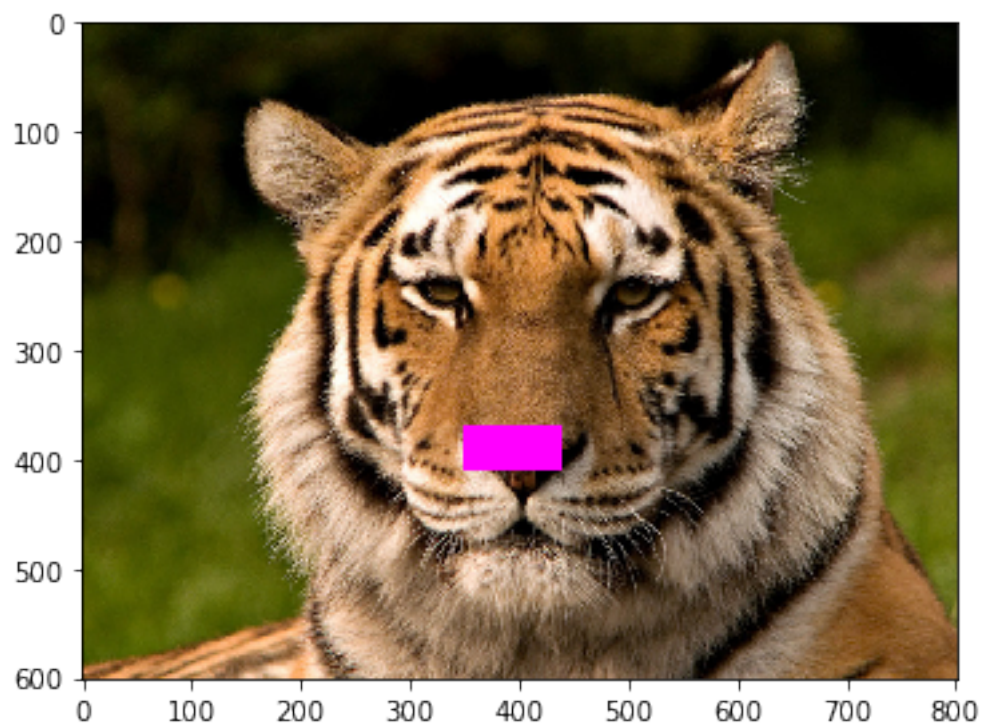
```
[15]:  imshow(nose)
```

```
[15]:  <matplotlib.image.AxesImage at 0x760d60>
```
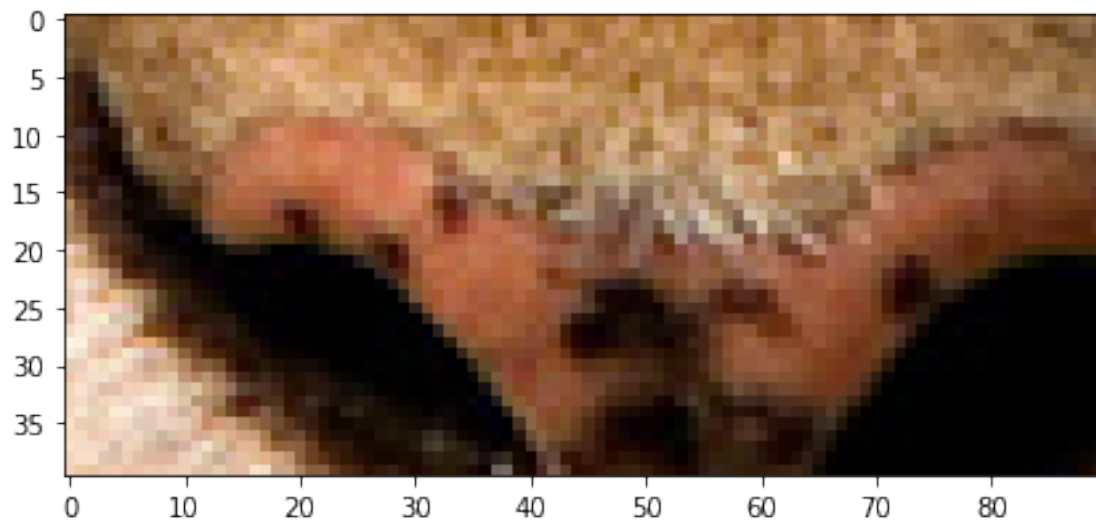
```
[16]: img[370:410, 350:440] = [255, 0, 255]
```

```
[17]: imshow(img)
```

[17]: <matplotlib.image.AxesImage at 0x7a80d0>

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```
[24]: imshow(img[370:410, 350:440])
```
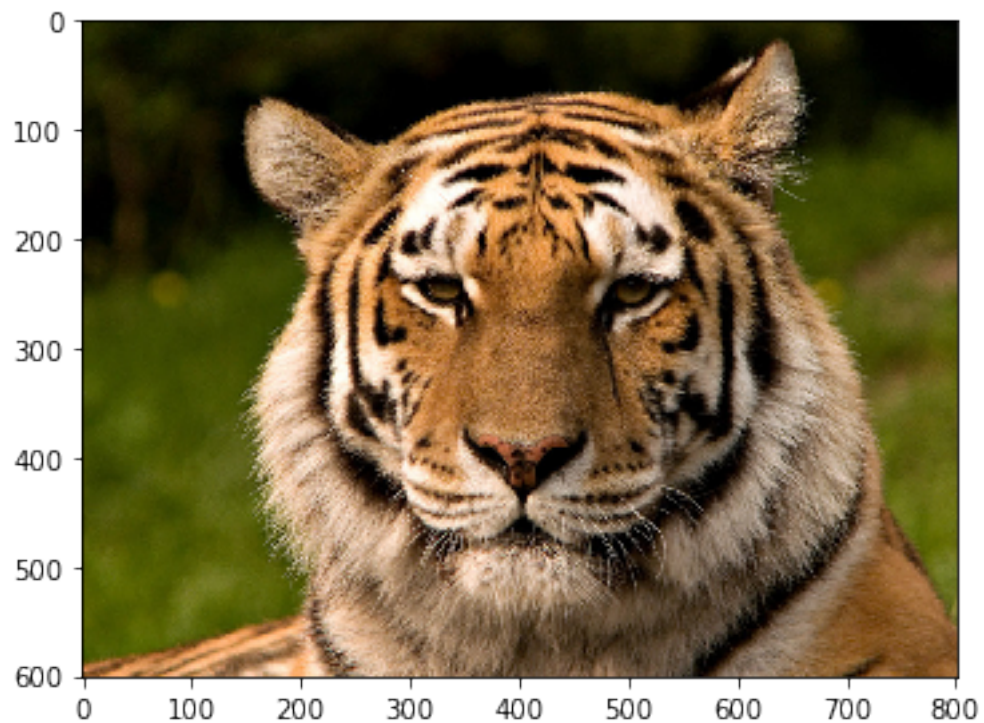
```
[24]: <matplotlib.image.AxesImage at 0x1198fe8>
```



```
[26]: imshow(img)
```

```
[26]: <matplotlib.image.AxesImage at 0x11e5220>
```

```
[27]: img[100,200]
```

```
[27]: array([180, 134,  92], dtype=uint8)
```

```
[28]: color = img[100,200]
      color
```

```
[28]: array([180, 134,  92], dtype=uint8)
```

```
[39]: list(img[100,200]) == list(color)
```

```
[39]: True
```

```
[ ]:
```